



Kerry County Council,  
Environment Section,  
Maine Street,  
Tralee,  
Co. Kerry.

# Air Licence

**Air Licence**

**Register Number:**

**AP20-01**

**Applicant:**

**Roadstone Ltd.,  
Fortunestown,  
Tallaght,  
Dublin 24**

**Location of Facility:**

**Clasheen,  
Killarney,  
Co. Kerry.**

Air Licence AP20-01  
Roadstone Ltd.



## Air Pollution Act 1987

### Air Licence

AP20-01

***Kerry County Council in exercise of the powers conferred on it by the Air Pollution Act 1987, hereby grants this licence reference number AP20-01 to Roadstone Ltd., Fortunestown, Tallaght, Dublin 24 for atmospheric emissions from their Macadam and Asphalt production plant at Clasheen, Killarney, Co Kerry subject to conditions (9 No.) set out in the schedules attached hereto.***

Signed on behalf of the said Council:

A/Senior Executive Officer,  
Environment Section

Date:

18<sup>th</sup> May 2021

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Note:

An appeal against a decision of a Licensing Authority may be made to the EPA (Environmental Protection Agency) within the period of one month beginning on the date of the decision to grant (or to refuse) the licence.

Appeals should be addressed to the "Environmental Protection Agency, PO Box 3000, Johnstown Castle Estate, Wexford, Y35 W821"

An appeal shall: (a) be made in writing, (b) state the subject matter of the appeal and (c) state the grounds of the appeal. The EPA after consideration of any appeal lodged with it, may direct the Licensing Authority to grant or revoke a licence or to amend or attach conditions relating to it.

An appeal will not be valid unless it is accompanied by the prescribed fee outlined in the EPA's website.

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## CONDITION 1 SCOPE

- 1.1 This licence relates to the production of macadam and asphalt by the Licensee – Roadstone Ltd., Fortunestown, Tallaght, Dublin 24 at Clasheen, Killarney, Co. Kerry.
- 1.2 For the purpose of this licence, the Licensing Authority refers to:  
The Environment Section,  
Kerry County Council,  
Maine Street,  
Tralee  
Tel: 066 7162000  
Fax: 066 7162001  
Email: [environ@kerrycoco.ie](mailto:environ@kerrycoco.ie)
- 1.3 The activities shall be controlled, operated and maintained and emissions shall take place as set out in this licence. All programmes and plans required to be carried out under the terms of this licence, become part of this licence.
- 1.4 For the purpose of limitation of emissions, the period during which the licensed production facility shall conduct operations involving emissions to air shall be between 06.00 and 19.00 hours Monday to Friday inclusive and 06.00 and 14.00 Saturday.
- The facility shall not operate on Sundays or Public Holidays.
- 1.5 The Licensing Authority may, on receipt of a written request from the Licensee, agree to hours of processing and operation of the plant for agreed temporary periods outside of those set out in condition no. 1.4.
- 1.6 The Licensing Authority reserves the right to limit the hours of operation which the licensed production facility shall conduct operations involving emissions to air should the Licensing Authority see fit.
- 1.7 This licence is for the purposes of licensing under the Air Pollution Act, 1987, for the manufacturing of macadam and asphalt and nothing in this licence shall be construed as negating the Licensee's statutory obligations or requirements under any other enactments or regulations.
- 1.8 No alteration to, or reconstruction in respect of, the activity of any part thereof which would, or is likely to, result in a material change or increase in:
- The nature or quantity of any emission,
  - The abatement/treatment of any emission,
  - The site management and control with adverse impact on emissions to air

shall be carried out or commenced without prior notice to, and without the prior written agreement of the Licensing Authority.

- 1.9 The Licensing Authority must be notified in writing of any change to company ownership and/or trading name of Licensee.

Reason: To clarify the scope of this permit.

## CONDITION 2 MANAGEMENT OF THE ACTIVITY

- 2.1 The Licensee shall issue a copy of this licence to all relevant personnel whose duties relate to any condition of this licence.
- 2.2 The Licensee shall ensure that all operations onsite shall be carried out in a manner such that air emissions or odours do not result in significant impairment of, or significant interference with amenities or the environment beyond the site boundary.
- 2.3 Corrective and Preventative Action
- 2.3.1 The Licensee shall establish, maintain and implement procedures to ensure that corrective and preventative action is taken should the specified requirements of this licence not be fulfilled. The responsibility and authority for persons initiating further investigation and corrective and preventative action in the event of a reported non-conformity with this licence shall be defined.
- 2.3.2 Where a breach of one or more of the conditions of this licence occurs, the Licensee shall without delay take measures to restore compliance with the conditions of this licence in the shortest possible time and initiate any feasible preventative actions to prevent recurrence of the breach.
- 2.4 Water sprays shall be used onsite during dry weather to ensure dust emissions are kept to a minimum.
- 2.5 All fuel and bitumen tanks and drum storage areas shall be rendered impervious to the material stored therein. In addition, storage tank and drum storage areas shall, as a minimum be bunded, either locally or remotely, to a volume equal to 110% of the largest tank within each of the individual bunded areas. Drum storage areas shall be bunded to a volume equal to 110% of the sum of the volumes of the

largest five drums likely to be stored therein. The height of the bund for any drum storage area shall be not less than 300 millimetres.

- 2.6 An adequate stockpile of oil absorbent materials shall be maintained onsite at all times. This should at a minimum include oil absorbent mats, a selection of booms and some oil absorbent granules.

Reason: To make provision for management of the activity.

### CONDITION 3 INTERPRETATION

- 3.1 The concentration limits for emissions to atmosphere specified in this licence shall be based on gas volumes under standard conditions of: Temperature - 273K, Pressure – 101.3kPa, dry gas (no correction for oxygen content).

Reason: To clarify the interpretation of emission limit values.

### CONDITION 4 NOTIFICATION

- 4.1 The Licensee shall notify the Licensing Authority as soon as practical after the occurrence of any of the following:
- Any malfunction or breakdown of control equipment, which is likely to lead to loss of abatement systems onsite.
  - Any incident giving rise to an emission liable to cause nuisance to the surroundings lands.
  - Any emission which does not comply with the requirement of this licence.
- 4.2 The Licensee shall maintain a register of any such incident as set out in Condition 4.1 above. This register shall include date and time of the incident, details of the circumstances giving rise to the incident and all actions taken to minimise the emission and the effect in the surrounding environment. This register shall be made available to the Licensing Authority on request.
- 4.3 The Licensee shall notify the Licensing Authority immediately concerning any incident, which might require offsite emergency response.

Reason: To provide for reporting of incidents onsite and maintain incident log.

## CONDITION 5 EMISSIONS TO ATMOSPHERE

- 5.1 A monitoring programme for the plant shall be agreed within one month of the date of issue of the licence with the Licensing Authority to demonstrate the achievement of the necessary operational parameters and the specified emission limit values of this licence. The results of this programme shall be forwarded to the Licensing Authority as soon as they are available.
- 5.2 Activities onsite shall not give rise to emissions to the atmosphere, which exceed the limits specified in Appendix A.1 of the Licence. There shall be no other emission to the atmosphere of environment significance.
- 5.3 Activities on the site shall not give rise to dust deposition values which exceed the limits specified in Appendix A.2 of this licence. There shall be no other emission to the atmosphere of environmental significance. The total dust deposition figure in Appendix A.2 is based upon using the Bergerhoff Gauge.
- 5.4 All abatement, control and monitoring equipment shall be calibrated and maintained when in use, in accordance with the recommendations of the supplier, and in agreement with Licensing Authority, so that monitoring accurately reflects the emissions.
- 5.5 The introduction of dilution air to achieve emission concentration limits is not permitted. Exhaust flow rates shall be consistent with efficient capture of emission and good management practices.
- 5.6 The Licensing Authority reserves the right to retain the services of a competent person(s) to carry out monitoring on behalf of the Licensing Authority on the emission to atmosphere to determine compliance with the emission limit values outlined in Appendix A.1. The Licensee shall be liable for all costs associated with this monitoring.
- 5.7 The Licensing Authority reserves the right to retain the services of a competent person(s) to carry out other monitoring on behalf of the Licensing Authority related to this licence as the Licensing Authority sees fit. The Licensee shall be liable for all costs associated with this monitoring.
- 5.8 The licensee shall prepare a programme, to the satisfaction of the Licensing Authority, for the identification and reduction of fugitive emissions to air using appropriate combination of best available techniques. The scope of this programme shall be agreed in advance with the Licensing Authority and carried out within 12 months of the commencement of production at the facility. The findings of this programme shall be furnished to the Licensing Authority as soon as possible thereafter. This programme, as a minimum, shall address,

- All particulate generating areas, including aggregate piles, conveyors and elevators, loading locations, crushers, screens, bag house filter discharge, rotary drum drier/mixing tower emission point, vehicular traffic
- All volatile emission points including bitumen storage tanks, mixing tower emissions, asphalt treatment/storage emission points.

5.9 In terms of the fuel used at the facility, the following emission standards shall be adhered to:

- Marked Gas Oil shall have a <0.1% w/w sulphur.
- Reprocessed Fuel Oil (e.g.) 11LS or REL210 shall have a <1.0% w/w sulphur
- Light Fuel Oil shall have a <1.0% w/w sulphur

A certificate stating percentage sulphur content of the fuel shall be submitted within two months of the date of issue of this licence.

Reason: To provide for the protection of the environment
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## CONDITION 6 EMISSION MONITORING

### 6.1 Emission to Atmosphere Monitoring

- 6.1.1 At the Licensee's own expense, monitoring and analysis of each emission shall be carried out as specified in Appendix A of this licence.
- 6.1.2 The Licensee shall nominate an independent company to carry out air emission monitoring at the site. This company shall be adequately equipped to carry out the required monitoring and be competent in this monitoring either by experience or by qualification.
- 6.1.3 Details of the chosen company and their level of experience/expertise along with proposed sampling and analytical methods shall be submitted for agreement with the Licensing Authority within one month of the grant of this licence. The agreed details shall become part of this licence. In the event of a change in this contractual arrangement, the Licensee shall notify this change to the Licensing Authority.
- 6.1.4 A report on this monitoring shall be submitted to the Licensing Authority in paper form as specified in Condition 8.1.
- 6.2 Monitoring of emissions to the atmosphere and dust deposition shall be carried out as specified in Appendix A of this licence, when maximum emissions to the atmosphere are occurring. The Licensing Authority may decide to reduce the frequency of monitoring following the examination of the trends shown by the monitoring data as submitted.



6.3 The frequency, methods and scope of monitoring as set out in this licence may be amended with the written agreement of the Licensing Authority following evaluation of test results.

**6.4 Continuous Dust Monitoring**

6.4.1 The exhaust stack shall be fitted with a continuous dust monitor (with data logger) which records continuously the concentration of dust (in mg/Nm<sup>3</sup>) as discharged to the atmosphere. The monitor shall be functioning at all times (except during maintenance and calibration) when the activity is in operation, unless alternative sampling or monitoring has been approved in writing by the Licensing Authority for a limited time period. The dust monitor shall be fitted with an audible alarm system. The output of the dust monitor shall be recorded and show the average dust concentration in the exhaust gases for each hour and the maximum dust concentration within the hour. The continuous monitor shall be calibrated at monthly intervals initially and calibration periods may be revised following a satisfactory assessment period. The calibration assessment and the monitored results shall be submitted to the Licensing Authority on request.

6.4.2 In the event of malfunction of the continuous monitor, the Licensee shall contact the Licensing Authority as soon as practicable and alternative sampling and monitoring facilities shall be put in place. Approval for the use of alternative equipment, other than in emergency situations, shall be obtained from the Licensing Authority in writing.

6.4.3 In the event of dust levels exceeding 50mg/m<sup>3</sup> in the exhaust stack emissions, the operation of the bag filter shall be investigated. If it is found that the dust collection system has malfunctioned, plant operation shall cease until such time as dust collection system is repaired. The Licensee shall inform the Licensing Authority within 24 hours, of the exceedance by telephone and by email and shall provide information on the cause of the exceedance and on the measures to be taken to prevent a recurrence.

6.5 The Licensee shall provide safe and permanent access to any sampling/monitoring point on the emission stack and safe access to any other sampling/monitoring point required under this licence by the Licensing Authority.

6.6 In the event that the Licensing Authority receives a complaint in relation to alleged mal odour from the facility and upon investigation, the complaint appears to be justified, the Licensee will be notified. The Licensee shall put in place measures or carry out works to address this matter without delay. Alternatively, the Licensing Authority reserves the right to instruct the Licensee to cease production or part thereof at the facility until such time as the Licensing Authority is satisfied that the source of the odour has been identified and addressed.

Reason: To provide for adequate monitoring.

## CONDITION 7 AMBIENT MONITORING

- 7.1 All site operations shall be carried out in such a manner as to ensure that no odour or dust nuisance occurs offsite.
- 7.2 The Licensee shall, within three months of the date of grant of this licence, install and maintain in a prominent location on the site a wind sock which shall be visible from the public roadway.
- 7.3 Weather Monitoring Station**  
If deemed necessary by the Licensing Authority, the Licensee shall install and operate a weather monitoring station on the site of an agreed type and at an agreed location, with the Licensing Authority.
- 7.4 Dust monitoring**  
Within two months of the grant of this licence, the Licensee shall submit to the Licensing Authority for agreement, proposed locations for the monitoring of dust in the vicinity of the facility. The proposed locations shall take account of nearby sensitive receptors. On agreement of the said locations, dust levels shall be monitored every month at these locations. Dust levels shall not exceed 350mg/m<sup>3</sup>/day (30-day composite sample) as measured using the Bergerhoff Method. The results shall be submitted to the Licensing Authority within one month of the end of the period being reported on. On the basis of results submitted over time, the Licensing Authority may review the frequency of monitoring.
- 7.5 Odour Monitoring**  
If deemed necessary by the Licensing Authority, the Licensee shall carry out ambient odour monitoring at locations adjacent to the site. The scope of the monitoring shall be agreed in advance with the Licensing Authority.
- 7.6 Ambient Air Quality Monitoring**  
If deemed necessary by the Licensing Authority, the Licensee shall carry out ambient air quality monitoring at locations adjacent to the site. The scope of the monitoring shall be agreed in advance with the Licensing Authority.

Reason: To protect the amenities of the area and to protect human and animal health
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## CONDITION 8 RECORDING AND REPORTING

- 8.1 All results of quarterly monitoring required by this licence shall be submitted to the Licensing Authority within 10 days following the end of the quarterly period in a format to the agreement of the Licensing Authority.
- 8.2 The Licensee shall keep a record of all complaints relating to emissions from the activity in the form of a complaint log which should be maintained onsite for review by the Licensing Authority. Each record shall give details of the date and time of the complaint, the name of the complainant and the exact nature of the complaint in a complaint log maintained on the site. A record shall be kept of the response (if any) to each complaint.
- 8.3 The Licensee shall facilitate the Licensing Authority when it performs audits of the plant by making relevant staff and data available on request.
- 8.4 The Licensee shall keep records of all monitoring carried out and shall retain such records for a minimum period of seven years. These records shall be made available to the Licensing Authority on request.
- 8.5 The frequency and scope of reporting, as set out in this licence, may be amended with the written agreement of the Licensing Authority, following evaluation of test results.
- 8.6 The Licensee shall submit to the Licensing Authority, a year from the date of grant of this licence, and each calendar year thereafter, an Annual Environmental Report. This report shall include as a minimum the following information:
- Emissions to the atmosphere monitoring summary
  - Ambient Air and Dust Deposition monitoring summary
  - Complaints Summary
  - Pollution emission and environmental incident report.
  - Evaluation of the operation of the bag filter.

Reason: To provide for the reporting of adequate information to the Licensing Authority

## CONDITION 9 FINANCIAL PROVISIONS

- 9.1** The Licensee shall pay to the Licensing Authority a minimum annual contribution of €500 towards the cost of site inspections and the assessment of monitoring results. The Licensee shall, not later than January 31<sup>st</sup> of each year, pay to the Licensing Authority this amount, updated in accordance with the Consumer Price Index. The Licensing Authority however, reserves the right to alter the rate of contribution each year in order to take account of the actual cost of monitoring as incurred by it in the previous year and as estimated for the next year.
- 9.2** Should the Licensing Authority deem it necessary to carry out its own monitoring or retain the service of an independent company to carry out monitoring on its behalf in relation to any monitoring described in Condition 6 or Condition 7 of this licence, the Licensee shall contribute such sums as determined by the Licensing Authority to defraying the Licensing Authority's costs.

Reason: To provide for assessment of and monitoring of data arising from the activity and provided to the Licensing Authority.

## APPENDIX A

### A.1 Emission to Atmosphere

**Emissions Point:** Single Exhaust Stack  
**Volume to be emitted:** 76,520m<sup>3</sup> per hour maximum (56,000Nm<sup>3</sup>/hr)

Parameter	Emission Limit Value (mg/Nm <sup>3</sup> )	Monitoring Frequency
NOx (as NO <sub>2</sub> )	<450	Quarterly
Sulphur Dioxide	<350	Quarterly
CO	<500	Quarterly
Particulates	<50	Continuous

### A.2 Dust Monitoring

**Location:** As required under Condition 7.4

Parameter	Emission Limit Value	Monitoring Frequency
Total Dust Deposition	350 mg/m <sup>2</sup> /day (Monthly mean)	Continuous for each month.

### A3 Ambient Air Quality and Odour Monitoring

As described in Conditions 7.5 and 7.6

